

The number of citations to each paper by N. Tajima

NB) In the table, the number of citations in the column named “W” is taken from Web of Science, “E” from Elsevier Science Direct, “A” from American Physical Society, “O” from the other databases (such as Crossref). The numbers were looked up on November 20, 2017.

I. peer reviewed papers

	title,authors,journal,volume,page,year	no. of citations			
		W	E	A	O
1	“The Unusual High-Spin Isomer in $^{182}\text{Os}$ and the Proton-Neutron Interaction in High- $j$ Orbitals”,N. Tajima and N. Onishi,Physics Letters B, <b>179</b> , 187-191 (1986).	-	6	-	-
2	“An Interpretation of Signature Inversion”,N. Onishi and N. Tajima,Progress of Theoretical Physics, <b>80</b> , 130-137 (1988).	-	-	-	6
3	“ $K$ -Isomerism and $\gamma$ -Softness”,N. Tajima and N. Onishi,Nuclear Physics A, <b>491</b> , 179-204 (1989).	-	11	-	-
4	“Generator Coordinate Kernels between Zero- and Two-Quasiparticle BCS States”,N. Tajima, H. Flocard, P. Bonche J. Dobaczewski, and P.-H. Heenen,Nuclear Physics A, <b>542</b> , 355-367 (1992).	-	19	-	-
5	“Diabatic Effects in $^{186}\text{Pb}$ : A Generator-Coordinate Analysis”,N. Tajima, H. Flocard, P. Bonche J. Dobaczewski, and P.-H. Heenen,Nuclear Physics A, <b>551</b> , 409-433 (1993).	31	33	-	-
6	“Self-Consistent Calculation of Charge Radii of Pb isotopes”,N. Tajima, P. Bonche, H. Flocard, P.-H. Heenen, and M.S. Weiss,Nuclear Physics A, <b>551</b> , 434-450 (1993).	96	92	-	-
7	“Roles of Triaxiality and Residual Interaction in Signature Inversions of $A \sim 130$ Odd-odd Nuclei”,N. Tajima,Nuclear Physics A, <b>572</b> , 365-383 (1994).	80	72	-	-
8	“Pairing Correlation in Nuclear Matter from Skyrme Force”,S. Takahara, N. Onishi, and N. Tajima,Physics Letters B, <b>331</b> , 261-265 (1994).	11	12	-	-
9	“Extensive Hartree-Fock+BCS calculation with Skyrme SIII force”,N. Tajima, S. Takahara, and N. Onishi,Nuclear Physics A, <b>603</b> , 23-49 (1996).	80	78	-	-
10	“Reaction Cross Sections and Radii of $A=17$ and $A=20$ Isobars”,H. Kitagawa, N. Tajima, and H. Sagawa,Zeitschrift fur Physik A, <b>358</b> , 381-387 (1997).	30	-	-	-
11	“Study of Superdeformation in Non-rotating States using the Skyrme-Hartree-Fock Method”,S. Takahara, N. Tajima, and N. Onishi,Nuclear Physics A, <b>642</b> , 461-479 (1998).	12	13	-	-
12	“Signature and angular momentum in 3d- cranked HFB states”,M. Oi, N. Onishi, N. Tajima, and T. Horibata,Physics Letters B, <b>418</b> , 1-6 (1998).	9	10	-	-

	title,authors,journal,volume,page,year	no. of citations			
		W	E	A	O
13	“Prolate dominance of nuclear shape caused by a strong interference between the effects of spin-orbit and $l^2$ terms of the Nilsson potential”,Naoki Tajima and Norifumi Suzuki,Physical Review C, <b>64</b> , 037301 [4 pages] (2001).	39	-	31	-
14	“Canonical-basis solution of the Hartree-Fock-Bogoliubov equation on three-dimensional Cartesian mesh”, Naoki Tajima,Physical Review C, <b>69</b> , 034305 [22 pages] (2004).	16	-	14	-
15	“Nodal Lines in the Cranked HFB Overlap kernels”,Makito Oi and Naoki Tajima, Physics Letters B, <b>606</b> , 43-51 (2005).	10	10	-	-
16	“Continuum effects on the pairing in neutron drip-line nuclei studied with the canonical-basis HFB method”,N. Tajima,The European Physical Journal A, <b>25</b> , Suppl. 1, 571-572 (2005).	-	-	-	-
17	“Method to circumvent the neutron-gas problem in the BCS treatment for nuclei far from stability”, Toshiya Ono, Yoshifumi R. Shimizu, Naoki Tajima, and Satoshi Takahara, Physical Review C, <b>82</b> , 034310 [11 pages] (2010).	3	-	2	-
18	“Improved microscopic-macroscopic approach incorporating the effects of continuum states”, Naoki Tajima, Yoshifumi R. Shimizu, and Satoshi Takahara, Physical Review C, <b>82</b> , 034316 [28 pages] (2010).	9	-	5	-
19	“The role of spin-orbit potential in nuclear prolate-shape dominance”,Satoshi Takahara, Naoki Onishi, Yoshifumi R. Shimizu, and Naoki Tajima,Physics Letters B, <b>702</b> , 429-432 (2011).	11	11	-	-
20	“Meaning of antiparallel proton and neutron angular momenta at low spins”,Naoki Tajima and Takaharu Otsuka,Physical Review C, <b>84</b> , 064316 [8 pages] (2011).	1	-	2	-
21	“Nuclear prolate-shape dominance with the Woods-Saxon potential”,S. Takahara, N. Tajima, and Y. R. Shimizu,Physical Review C, <b>86</b> , 064323 [13 pages] (2012).	7	-	2	-
22	“Angular correlation between proton and neutron rotors”,N. Tajima,Journal of Physics:Conference Series, <b>445</b> , 012014 [6 pages] (2013).	-	-	-	-
23	“Analytical formula for numerical evaluations of the Wigner rotation matrices at high spins”,Naoki Tajima,Physical Review C, <b>91</b> , 014320 [5 pages] (2015).	4	-	3	-

### III. Some other selected works

#### 1. review etc.

	title,authors,journal,volume,page,year	no. of citations			
		W	E	A	O
1	「 $K$ 異性体で原子核の形を見る」, 田嶋直樹, 日本物理学会誌, <b>45</b> , 916-918 (1990).	-	-	-	-
2	“Skyrme-Hartree-Fock in Cartesian-mesh representation”,N. Tajima, S. Takahara, and N. Onishi,RIKEN Review, <b>No. 14</b> focused on <i>Computational Science and Engineering</i> , 23–24 (1996).	-	-	-	-
3	“Angular momentum projection in 3-dimensional self-consistent cranking model”,N. Onishi, M.Oi, N. Tajima, and T.Horibata, <i>High Performance Computing in RIKEN 1995</i> (ISSN 1342-3428),51–54 (1996).	-	-	-	-
4	“Systematics of even-even nuclei with Skyrme-Hartree-Fock method”, N. Tajima, S. Takahara, and N. Onishi, <i>High Performance Computing in RIKEN 1995</i> (ISSN 1342-3428), 85–87 (1996).	-	-	-	-
5	“Study of Superdeformation with Skyrme-Hartree-Fock Method”,Naoki Tajima, Satoshi Takahara, and Naoki Onishi, <i>High Performance Computing in RIKEN 1996</i> (ISSN 1342-3428), 51–54 (1997).	-	-	-	-
6	“Signature and angular momentum in 3d-cranked HFB states”,M.Oi, N.Onishi, T.Horibata, and N.Tajima,RIKEN Review, <b>No. 19</b> focused on <i>High Performance Computing in RIKEN 1997</i> , 23–26 (1998).	-	-	-	-
7	“Solution of the Hartree-Fock-Bogoliubov equation on 3D Cartesian mesh in the canonical representation”,N. Tajima,RIKEN Review, <b>No. 19</b> focused on <i>High Performance Computing in RIKEN 1997</i> , 29–33 (1998).	-	-	-	-
8	“Cut-off schemes for zero-range pairing interactions in canonical-basis Hartree-Fock-Bogoliubov method”,N. Tajima,RIKEN Review, <b>No. 25</b> focused on <i>High Performance Computing in RIKEN 1998</i> , 75–77 (1999).	-	-	-	-
9	“Hartree-Fock+BCS approach to unstable nuclei with the Skyrme force”,Naoki Tajima,Progress of Theoretical Physics Supplement, No. 142 on <i>Physics of Unstable Nuclei</i> , 265–296 (2001).	-	-	-	10

2. Proceedings papers (not peer reviewed)

	title,authors,journal,volume,page,year	no. of citations			
		W	E	A	O
1	“Is the Signature Inversion of Energy Levels due to the $\gamma$ -Degree of Freedom ?”,N. Tajima,Nuclear Physics A, <b>520</b> , 317c-324c (1990).	-	7	-	-
2	“Diabatic Effects and Shape Coexistence in Neutron Deficient Pb Isotopes”,N. Tajima, P. Bonche, J. Dobaczewski, H. Flocard, and P.-H. Heenen,proc. int. conf. “Nuclear Shapes and Nuclear Structure at Low Excitation Energies” held on June 3-7, 1991, in Cargèse (Corsica), Plenum Press (New York), pp. 169-175 (1992).	-	-	-	-
3	“The Hartree-Fock+BCS and Generator Coordinate Methods”,P.-H. Heenen, P. Bonche, J. Dobaczewski, H. Flocard, S.J. Krieger, J. Meyer, J. Skalski, N. Tajima, and M.S. Weiss,proc. “Nuclear Structure Models” held on March 15-25, 1992, in Oak Ridge (Tennessee), World Scientific (Singapore), pp. 3-22 (1992).	-	-	-	-
4	“Microscopic approach to collective motion”,P. Bonche, E. Chabanat, B.Q. Chen, J. Dobaczewski, H. Flocard, B. Gall, P.-H. Heenen, J. Meyer, N. Tajima, and M.S. Weiss,Nuclear Physics A, <b>574</b> , 185c-205c (1994).	11	11	-	-
5	“Deformed Hartree-Fock Calculation of Proton-Rich Nuclei”,N. Tajima, N. Onishi, and S. Takahara,Nuclear Physics A, <b>588</b> , 215c-220c (1995).	7	5	-	-
6	“Skyrme Hartree-Fock-Bogoliubov on 3D-mesh”,N. Tajima,proceedings of the Third Japan-China Joint Nuclear Physics Symposium –Recent Topics in Nuclear Physics– held on July 24-29, 1997, in Sendai, Ogatsu, and Niigata (Japan), pp. 262–266 (1997).	-	-	-	-
7	“Hartree-Fock-Bogoliubov for deformed neutron-rich nuclei”,N. Tajima,proceedings of the XVII RCNP International Symposium on Innovative Computational Methods in Nuclear Many-Body Problems –Towards a new generation of physics in finite quantum systems– (INNOCOM97), Osaka, Japan, 10-15 November 1997, World Scientific (Singapore) , pp. 343–351 (1998).	-	-	-	-
8	“Pairing correlation involving the continuum states”,N. Tajima,RIKEN Review No.26 (2000.1) pp. 87–94 (2000).	-	-	-	-
9	“Origin of prolate dominance of nuclear deformation”,N. Tajima, Y.R. Shimizu, and N. Suzuki,Progress of Theoretical Physics supplement <b>146</b> , pp.628-629 (Dec, 2002).	-	-	-	12